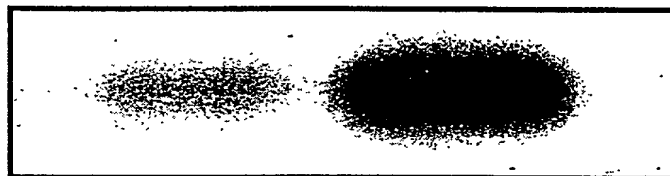




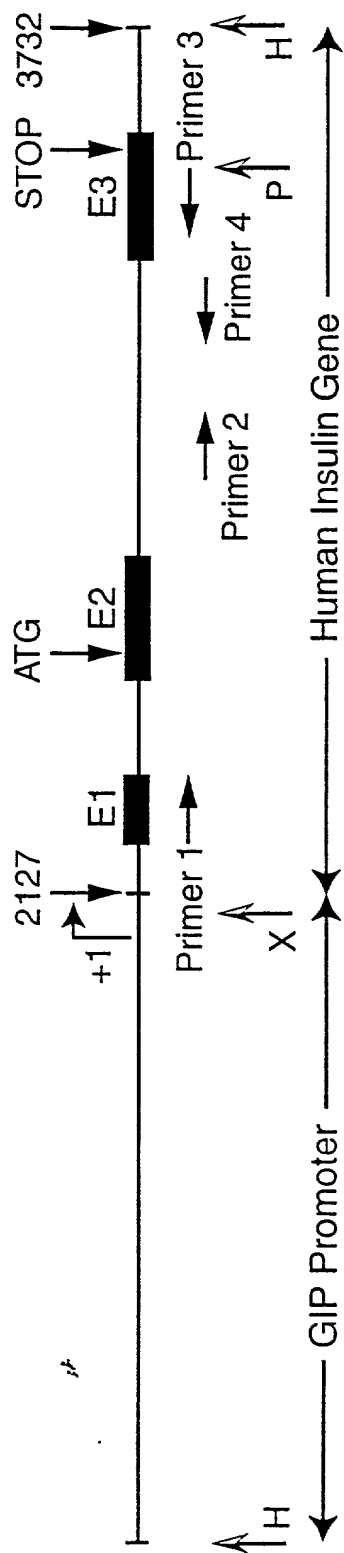
**Figure 1**

STC-1

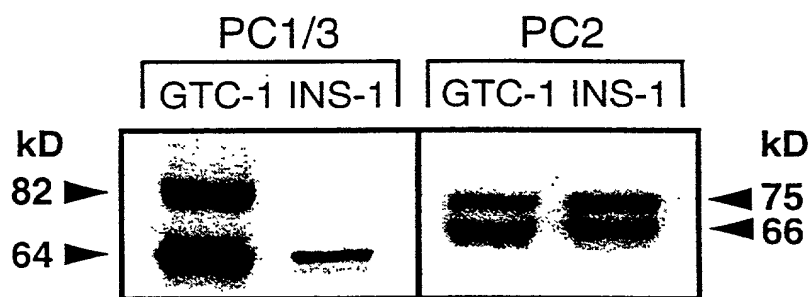
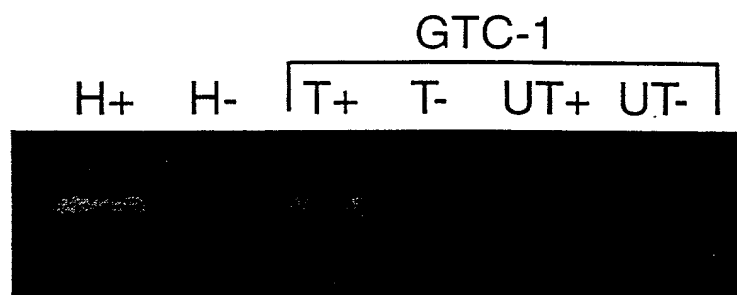
GTC-1



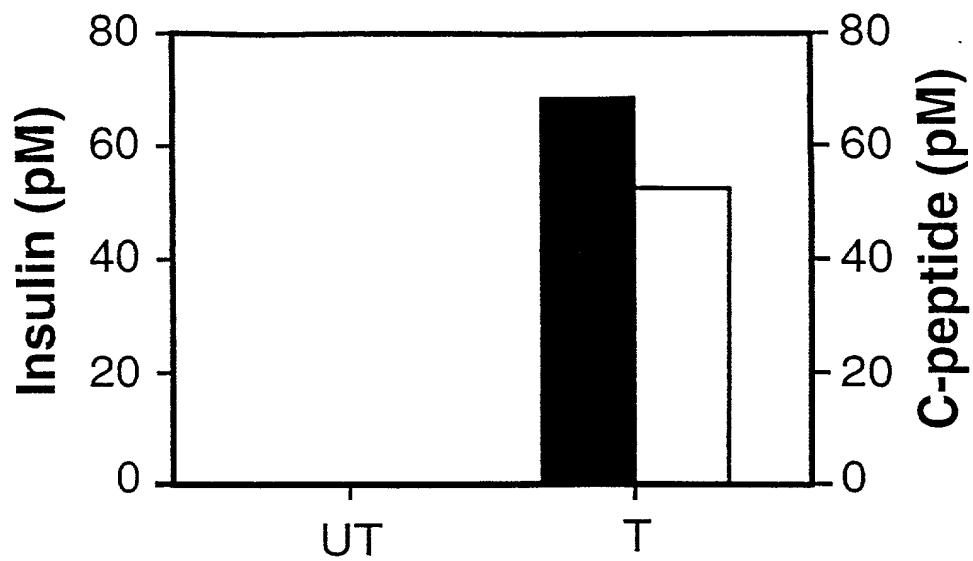
**Figure 2**



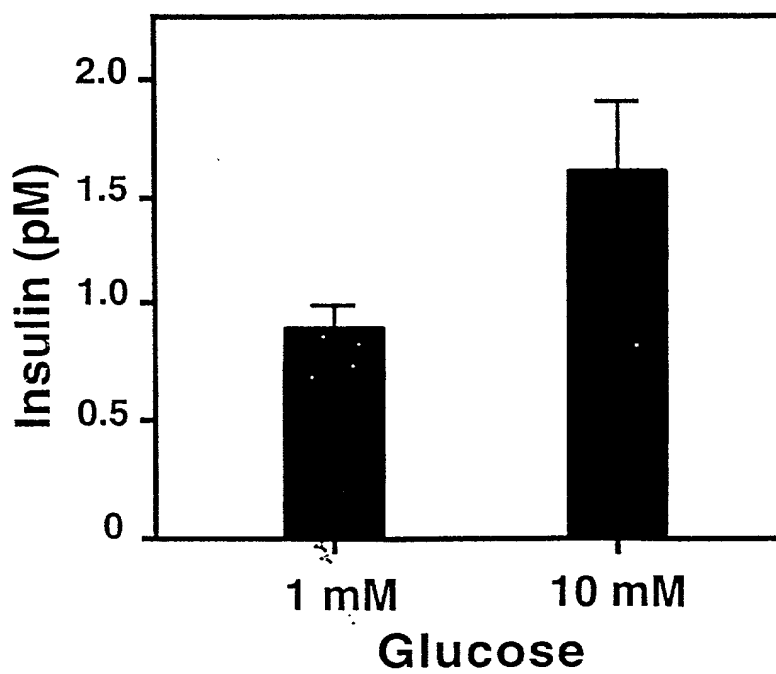
### Figure 3



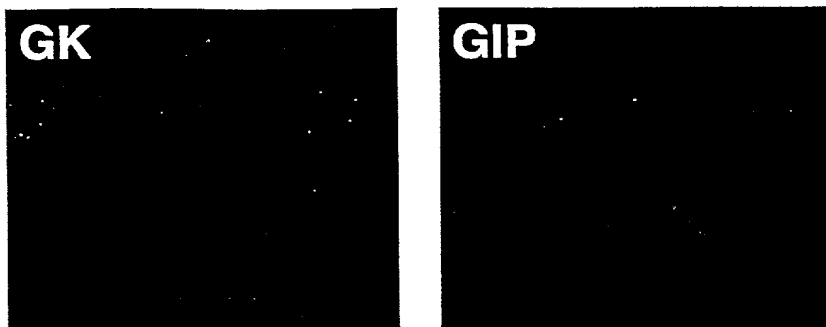
**Figure 4**



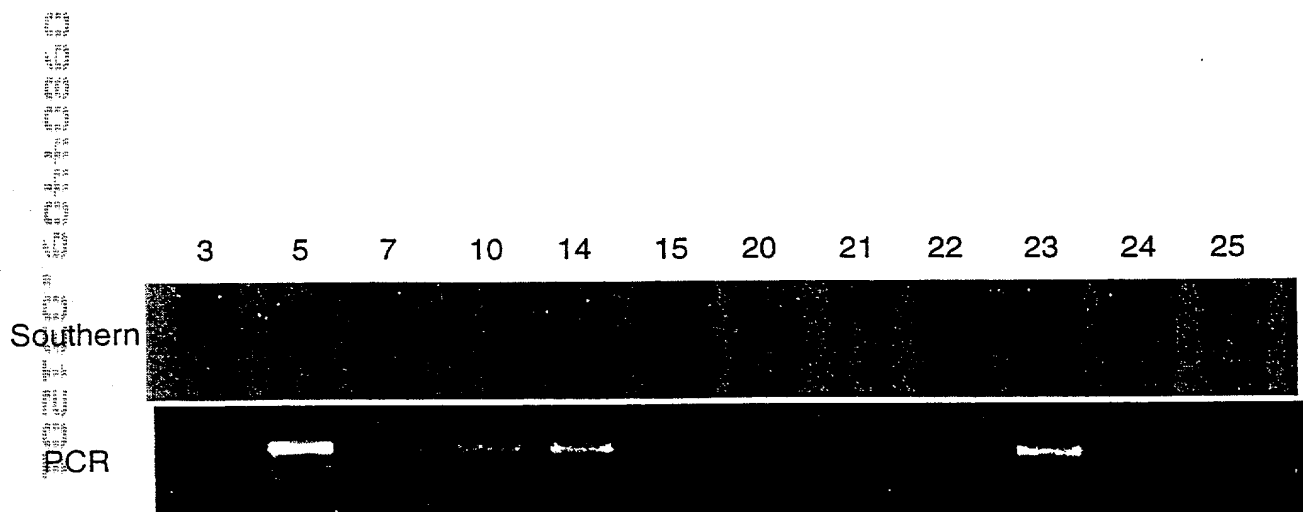
**Figure 5**



**Figure 6**



**Figure 7**



**Figure 8**

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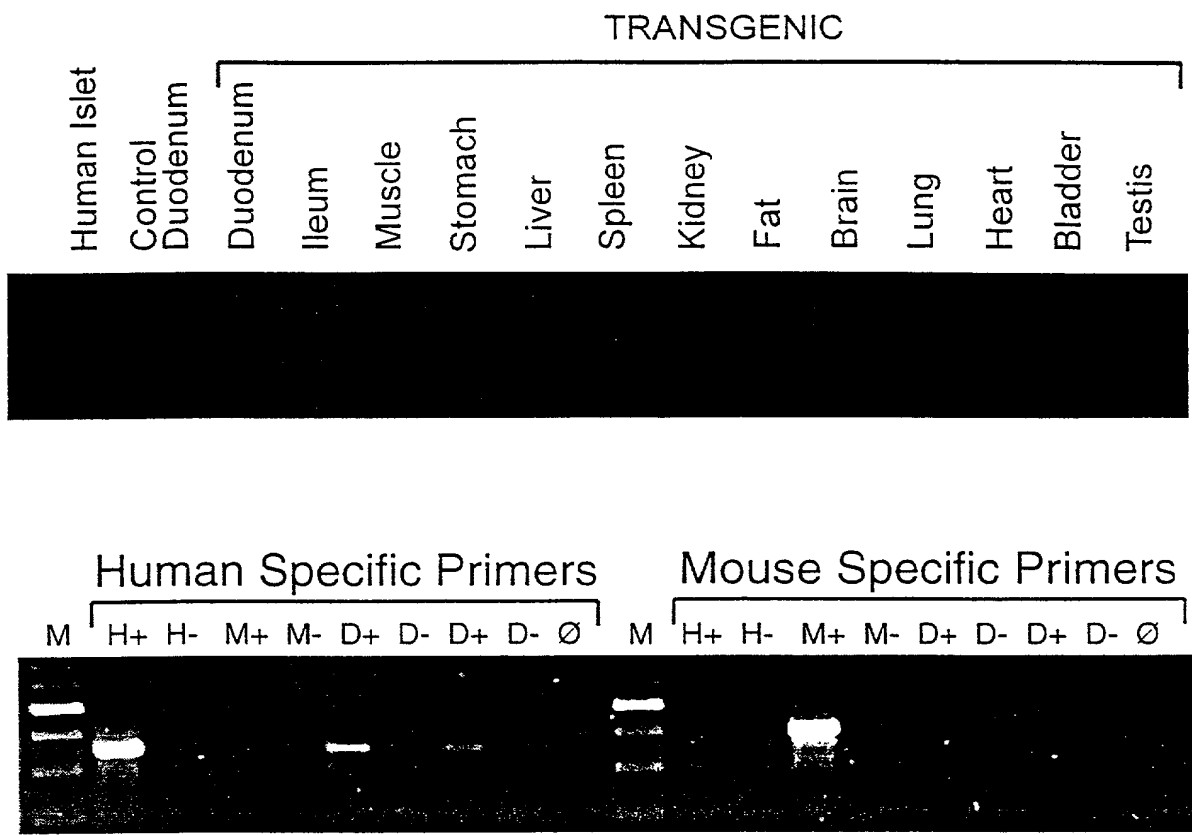


Figure 9



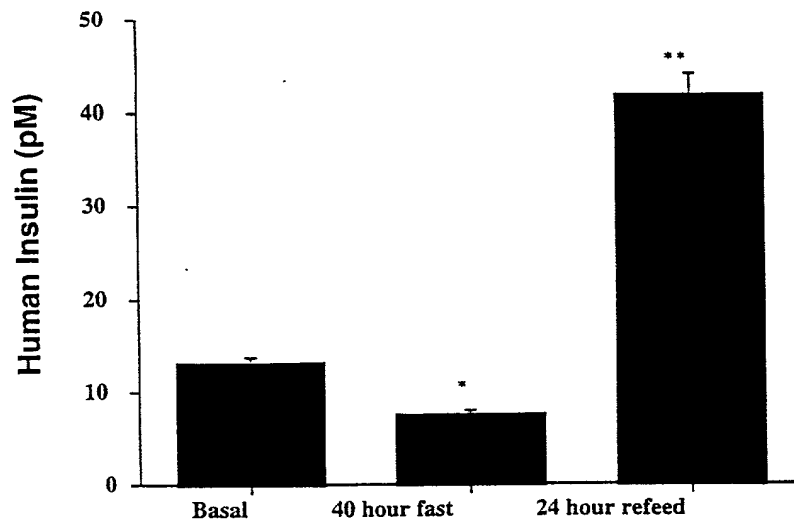


Figure 11A

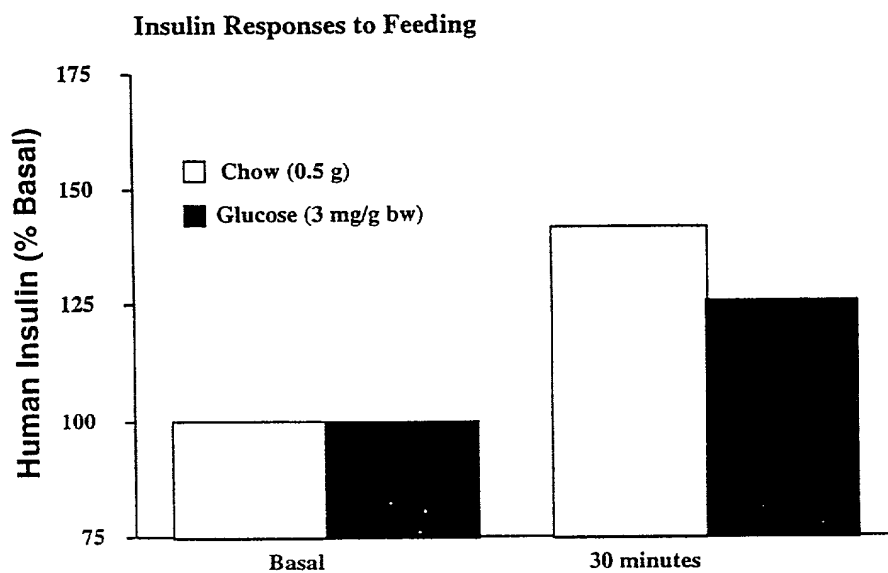


Figure 11B

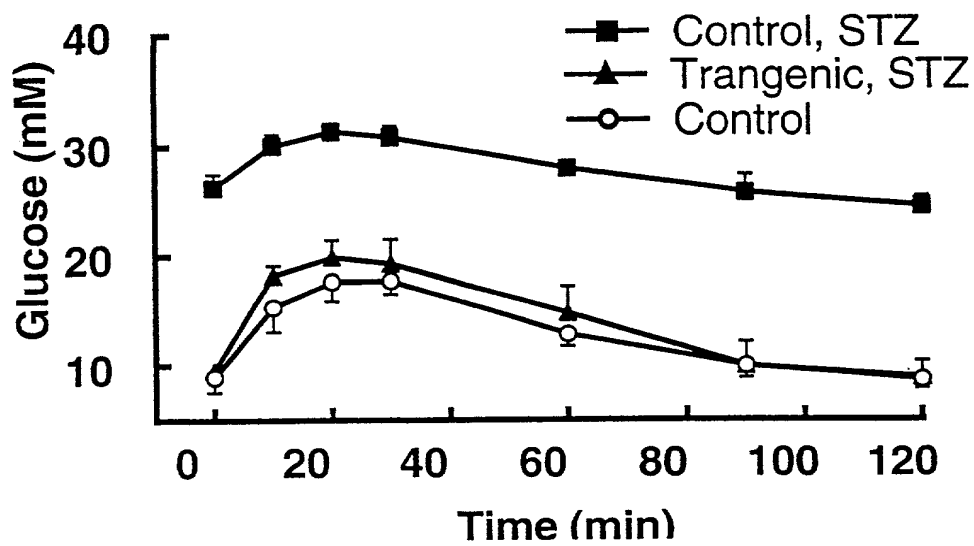


Figure 12

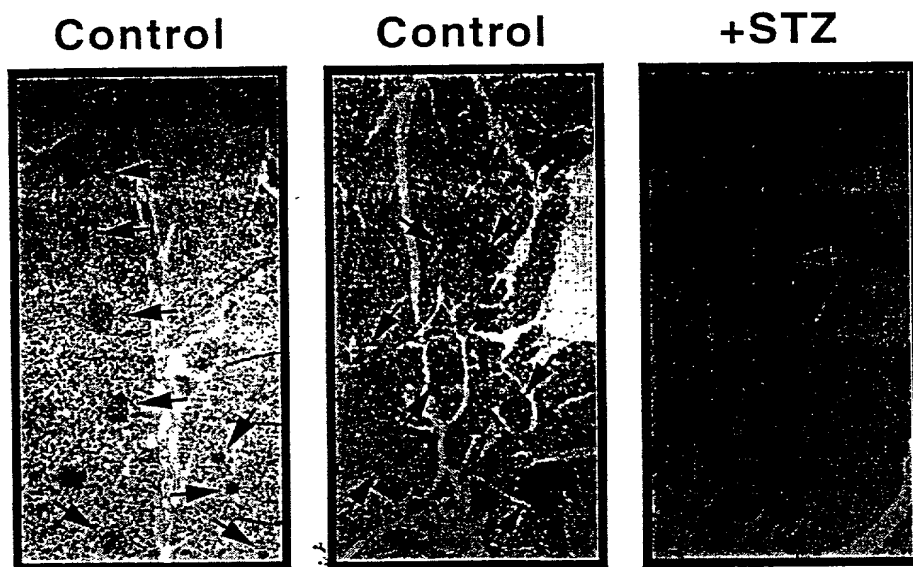


Figure 13

## GIP Promoter

atctctccag tcccttcctc aaccttctga gaacaggcaa actccacat gattggctta  
 taaatcgta tatggaccta ctaaggatgt aacaactggg agcatgctta cctagcatgt  
 ccgaaaccg gagttcagtc cctagcactg cacaatctca gtccttatga agtagaggga  
 agatcagagg ttaaggaca acatcaattt gagaccagcc tgggctactt accaaagaaa  
 gaaagagaga aataaataaa tagatagata aataaataaa taagtaaata aatatcttat  
 ggctggagag ttggttcagt gtttaagagc acttattgtg gggttgggga ttagctcag  
 tggtagagcg ttgcctagg aagctcaagg ccttgggttc ggtcccagc tccggaaca  
 aaacaaaaca aaacaaaac aaacaacaa acaaaaaacc ctgtctggaa aacacctaaa  
 taaagatata tatatataat atatatacat ataataata tatgatata atatataat atatctttgt  
 ggaggaagct atacctttct tcttgagcc tccaacacat aaatgtgcc tgcaccca  
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 aactctcaag acacctacct caggcagcat cactccgga gtgccacat tatcagttaa  
 catccacatc tgggattcag atcccagatc cttctgttc ctcagaagt cacctacagc  
 ttgtggggg tggcccttc ctcagagagt gccaccgag ttgacctca ccaaggcaac  
 cctttgtacc cacagaatcc aacagggaagt aggggggaaga acagccggcc ctgtgccag  
 aaaaaagag gggagggaga aggggggtgt cagcctacca ccgggcaggt ccagataac  
 actgcagata cccaaatgtt aatcacccat tagcacaggc ccagagcaaa ggggaaagt  
 attaggtgta taatgggggt cactgggcag gaccagtggg cttgagcttc aaagataaga  
 ggtttcagg ttaatcagca cctgtggtg tgtggatata aggaagctaa cacagggtct  
 tgaagcaaga tcttgag

Mouse chromogranin A (Chga) gene, promoter region.  
 ACCESSION L31361

1 ccgaattac ccactacgtt ggaattctat aagggttggg ttgctgttt tgtttacagc  
 61 tgcgtctttg gcaccagca cagctgagt gttctaagcc cagctgatg cttaacacat  
 121 ggttgtgaa tgaatacacg cgaagccggt tctcatttag gggcatgagt aggcagaggt  
 181 gtgggcagga agcaggaaag agcggaaaca ggtcgggaca gaaaggagg gctctgaagg  
 241 atgccagtca gtgcaaaact gtcacccaga taccaggttc actgtggccc taggccaggc  
 301 tgcacggggc ttccatgtg gctgtcccag ggtgagagca gaactgcggt gggcggggca  
 361 gaaggaaacc aaccaggaag cagggttgca ccaaattat ccaggtttta agtacatta  
 421 agagacaagg ctgggctgtt gaaggtcaga ggtgtccctg ggtgtctgga ctaggactga  
 481 ccacttctgt tttagtttaa tggtgagaac tgcctcacac tgcacttgc cttacttgc  
 541 ccttgagagc tgtgagccta ggaccaccc atgtgtgggt tggaccttca gtcacacact  
 601 gaacgtgtgt gaagccactg gttgtcagag cagggtcttc ggcactgagg aagcagtgc  
 661 cactatcccc tatcaataa caattaaata cacacagaat gogaggcaca caactgagt  
 721 tcaggagagg cctcgtcag gcaagggtt caagaggctt ctgtgggacc cgttgatgt  
 781 tccaggaggt tcttaagat gggcgtgcct ccagccaagt gaaatcaaga gaaaagtacg  
 841 cgaagtatag gaaaactcag cagtctggag aggtaaatag gggaggaatc cagggtcag  
 901 agacaggagt gacttgccca cggacgcaca gcaagtggc aggtggagt cagctgtgcc  
 961 accttctgaa gccgggtacc ctttacagcc accagataca agcgggatag agacagctga  
 1021 tggagaagct ggagggtggg ggcgggaccc cgaagggtgg gaaagggcgc gggggggcgg  
 1081 tctatgacg taatttctg ggtgtgtgcg cgcgtgtgcg tgcgtgtgcg tgtatataa  
 1141 agccggcata gcattgtgc tctgtccgc gccaccgcca ccatcaccgc tgttaccacc  
 1201 accgtactg cagtgttccc gctgtgcag agctttgta gccagactac agaccactc  
 1261 ccgccatcct cctgcagcag ctcgtccact cttccgcac cgtccggctc gctatgcgc

//

Figure 14

Mus musculus secretogranin II (Scg2) gene, promoter and exon 1, complete sequence.  
 ACCESSION AF037451

```

1 gggaacttct tctagctctt tcattagggg cctgtgttc catctaatag ctgactgtga
61 gcattccact ctgtgcttgc caggcactgg catagcctca caagagacag ctatatcagg
121 gtctgtcag caaatcttt ctggcatatg caatagtgtc tgggtttggt ggtgttatat
181 gggctggatc cccgggtggg gcagtcctct gatggcttt cctccctct tagctccaaa
241 cttgtctct gtaactcctt ccatgggtac ttgtttccc attctaagaa ggagcaaagt
301 atccacactt ccttctctt ccttctctt gagttttgca aatgccacaa aacttcaaa
361 gccttctgaa tagccttctc tttagtctt tccaatgat attaaataa tctatcttc
421 atccccattg attaaagcct tctaaagcc agaaaactat atcattttt ttctttccc
481 agtagttcac aaactatctg gcacctcata agcatcataa ctcagtgggt gggtagataa
541 aattggaatg tgattgttca gtcagcagag acttttagag gacctatac aacaagatc
601 tctcagtct cagaaatata tttagtata tacagggtta gaggactcac atcttaata
661 aaataaagt aaaatttag acctgtataa attattaagg tacctaata agttccacgg
721 caaagtacag ccatggttat gaattataa tccaagaagc ggtgggttaa ctctgacatt
781 gttccttga tgggtctcat tcattgaagt tagtcacctc aacttactca accaaaacct
841 agaagtatt ctgtgttact atgttctct gatgccaaga gggctctagg catatgaaa
901 tctctcaatc tctctccctc tctctcccc tccaccccc actctctctc ttctagcagt
961 aatccctccc ttctggttag gcagtatgtt tttggagca cagtttcta gctatctct
1021 gcaacacctg attttgtgta agatttgaat ggcctcatat agaagtatca acaacttgag
1081 cgtctgtgaa ctctcatttt gacactgtgc tgaaagaatt ggagtgtatt ctcatataaa
1141 aaaaaataa gcattctacc tttttgtc aaactaaaca gttttaaac agttctgcct
1201 ggagtcata tatgaaatac gatctatcat atttgcaatg ttctgttcaa ttgtggctgc
1261 accaggaaat gagaagctat ttcttatag gcacaaataa aaagatagtc attatctgta
1321 aaattctat gatctggcag caagcccaag aaacctttct aaacaaggcg tgaaaacgca
1381 gagatgtcct tgcaattagt catgtctatc tgacagattt cttcctttct aagggaattt
1441 gtgctgaaca ttttatttcg agcctcagag ataaaagaag ggggaagaag ctgtagtttt
1501 tgctacataa gacaggtggc gtaagcatgc aacgctttaa aaaaatatct aaagtattg
1561 tttctctcg gattcttga aaaagctgc ctgcgtggg gtttgaggct gagccgggtg
1621 cgtcagcgtg gaatgcggag tcaggcgccc aggcctctta taagccgagg agctgtccgg
1681 tgctgaaacg gcccagccc tctcagcg gcagagagga gcatgcttg agcctccac
1741 ataataaag acagaggtaa
  
```

//

Mus musculus glucokinase gene, 5' flanking region.  
 ACCESSION U93275

```

1 agcttaggt gtgtgaatat ctactttggt gctagggcct tggtcatact aagtaagttt
61 ccccttact ggggtgtacc agtttaccct ggactgtcta agcaacaaga aggatagaca
121 tggcctacca cagatttcat gtctgccact ggctatgtca gaacatgtag gagcttttgg
181 aatcagtga acaggtattt tcagactgcc ttccctgcgt ggggctttcc cgaagccata
241 ttttcttag agtcagcctt tcccagctga ggacaagctg tactggacag atgccagcca
301 ctgaaactgg gaatacatgg tcatttaggc agctggctta tctatccat ggtacttgat
361 ggcttcgggt cagcacctca cagaaagttc agacgggagg ctccgagaa aacagagaag
421 caggcaggag atcctgcagg caatcctcct gctccacagc ctgcatggac ttccctcagc
481 ctagtgctg gtgggtccca tctgagaaca ttggttatat gttatttca aaccgatctg
541 cctttaagga gtggaagaaa aaaactgtgg tgtttgggt accttatga taatggcctt
601 ttcatcctc taataaatat tgccaagtag gtagattct atacgaaagc tcttaacca
661 tggtagtagc aaatcatgta ggtgctaata atgaatactg gatgcagtca gtacagggat
  
```

Figure 15

721 ataaatgga atgtaagagc ctgttgctat gaatggtag ctaactagat gttgtacaag  
 781 aaatgttgac gttatgacgt gtggaactt ggtattgaag atgtggactc gaaactttgt  
 841 ggatttttg atgccatgat aaaaatgtga agaatactgt tcctaccaaa aaagaagaag  
 901 aagaaggaga aggaggagga agaggaggag gaggaagaag agggggagga agaagaagag  
 961 aaggaggagg aagaggagga ggaggagaa gaggaggagg aggaagaaga agagaaggag  
 1021 gaggactagg aggaggagga gaagaaggag aaggggagg agagagtagc cagaacattt  
 1081 ggggtgccat cagaatacca gatactccag acatagtcac agaaggactg gttgtttgt  
 1141 taaatagggt cttgaaaag ttgtgggga aacctgcagt gagattgtgt gtcttagaaa  
 1201 tgataggcaa gattcatcca caagaatgag acaagatggc tgcctgaaca agccctgaac  
 1261 attaacagca ccagtagacc tgcttacacg gaagaaagca atctcatagg ccctcaccac  
 1321 aaacaaagac tacagacagc agaggaaactg gagagcagga gaaattgggt ctcccttta  
 1381 tgagccccct aactggtgt caaatactca atggtcagcc ctgaaatcat atgcacaaaag  
 1441 taatactagc gcaactgaac agattgtagc tgtgtgtgtg tgtgtaata taacaaagaa  
 1501 gaaaaggccc catgttagag agggagcaag gtggcatgg aggtatggaa ggagtggaa  
 1561 ggaggggtga gaaggggaaa gtgatgtaat tatcttttaa ttataaaaa aataaaaaat  
 1621 gggctgtgta gatggctcag tgggtaagag caccgcactg ctcttcga aggtctggag  
 1681 ttcaaatccc agcaaccaca tgggtgctca caaccatccg taacgagatc tggcgcctc  
 1741 ttctggagt tctgaagaca gctacagtgt acttacatat aataaataaa taaatcttt  
 1801 aaaaaaata aaaaataaaa tattagaata aaatgtagag gaatatttt aatttaacaa  
 1861 ctgggtgtg gcaaaagctt tcttaacaa aaacttaac cctcagataa gaaaagacta  
 1921 gaatccagca cgtggataga tacttctgta tgatgcaaga cactatttat caggttgtaa  
 1981 cttagcaga acttgagttg taactgttg gaaacacaa caccctggc aaacaaaaga  
 2041 ttactagata ttttagatga aatataaaaa tactttccac aactgatagg taggaaacag  
 2101 ttcaatagta atataattat tgaacaaata atccttaaaa gaagaaatcc agaggaatag  
 2161 caagttaggg gaagagaggg tgtgtgtgtg tgtgtgtgc cgcacattta tagccaaat  
 2221 agatgatata cttaaatgaa catgccatta aaaccatta tttgcatac agtttacata  
 2281 tgctaatgaa tacttaaaaa aaaaacattg ggattggaga gaaatggctc agtggtaag  
 2341 agttcaatc ccagcaacca catgattgct cacaaccatc tgtaatggga tctgatgcct  
 2401 tctctggtg tgtctgaaga aagtaccgt gtactataa ttataataa ataatcttt  
 2461 aacaaaaaaa ccccataat ttcaacaaca gatatgtcct ggtctgaggc ttccaggcat  
 2521 agaataagaa acacacagag tgtggagcca gtgcggttca ggtccgcat tccagttcag  
 2581 gttcagacc aagagaagg gaaaagaaga gacaagcaac aag

H.sapiens adenosine deaminase (ADA) gene 5' flanking region and exon 1 (and joined CDS).  
 ACCESSION X02189

1 tccaggaaat gcgcatcca ggccggcggg cggggcgggg gctccggcga gagggcgggc  
 61 cccgggaacg gcggcgggcg gggcgggagg cggggcccg cccgttaaga agagcgtggc  
 121 cggccgcggc caccgctggc cccagggaaa gccgagcggc caccgagccg gcagagaccc  
 181 accgagcggc ggaggaggga gcgacgccg ggccgacgag ggcacc

Homo sapiens mRNA for pre-proinsulin.  
 ACCESSION X70508

MALWMRLPLLLALLALWGPDPAAAFVNQHLGSHLVEALYLVCGERGFFYTPKTRREA  
 EDLQVGQVELGGGPGAGSLQPLALEGSLQKRGIVEQCCTSICSLYQLENYCN"

1 gctgcatcag aagaggccat caagcacatc actgtccttc tgccatggcc ctgtggatgc

Figure 16

61 gcctcctgcc cctgtggcg ctgctggccc tctggggacc tgaccagcc gcagccttg  
 121 tgaaccaaca cctgtgcggc tcacacctgg tggaagctct ctacctagtg tgcgggggaaac  
 181 gaggtcttct ctacacaccc aagaccgccc gggaggcaga ggacctgcag gtggggcagg  
 241 tggagctggg cggggggcct ggtgcaggca gcctgcagcc cttggccctg gaggggtccc  
 301 tgcagaagcg tggcattgtg gaacaatgt gtaccagcat ctgctccctc taccagctgg  
 361 agaactactg caactagacg cagcccgag gcagccccc acccgccgcc tcctgcaccg  
 421 agagagatgg aataaagccc tgaaccagc

Homo sapiens leptin (LEP), mRNA.  
 ACCESSION XM\_004625

"MHWGTLGFLWLWPYLFYVQAVPIQKVQDDTKLIKTIIVTRINDISHTQSVSSKOKVTG  
 LDFIPGLHPILTLKMDQTLAVYQQLTSMPSRNVQISNDLENLRDLLHVLAFSKSCHLP  
 WASGLETLDSLGGVLEASGYSTEVVALSRLQGSLLQDMLWQLDLSPGC"

1 tctgttttca ggcccaagaa gcccatcctg ggaaggaaaa tgcattgggg aaccctgtgc  
 61 ggattcttgt ggctttggcc ctatctttc tatgtccaag ctgtgcccac caaaaagtc  
 121 caagatgaca ccaaaacct catcaagaca attgtacca ggatcaatga cattcacac  
 181 acgcagtcag tctctccaa acagaaagtc accggtttgg acttcattcc tgggctccac  
 241 cccatcctga ccttatccaa gatggaccag aactggcag tctaccaaca gatcctcac  
 301 agtatgcctt ccagaaact gatccaaata tcaacgacc tggagaacct ccgggatctt  
 361 ctacagtcgc tggcctctc taagagctgc cacttgccct gggccagtgg cctggagacc  
 421 ttggacagcc tggggggtgt cctggaagct tcaggctact ccacagaggt ggtggccctg  
 481 agcaggctgc aggggtctct gcaggacatg ctgtggcagc tggacctcag ccctgggtgc  
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 601 caggtatctc caggattgaa gagcattgca tggacacccc ttatccagga ctctgtcaat  
 661 ttccctgact cctctaagcc actctccaa aggcataaga ccctaagcct ccttttgctt  
 721 gaaaccaaag atatatacac aggatcctat tctcaccagg aagggggtcc acccagcaa  
 781 gagtgggtcg catctgggat tccaccaag gtcttcagcc atcaacaaga gttgtctgt  
 841 cccctctga ccatctccc cctactgaa tgcctcaatg tgaccagggg tgattcaga  
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 1381 ggtggggaat gttgggcag aagggagaag gatctagaat gtgtttctg aataacatt  
 1441 gtgtgggtgg ttctttgaa ggagtgcag catcttcta tctctgcaa ttgcttagga  
 1501 tgttttcat gaaaatagct cttcagggg ggttgtgagg cctggccagg caccctctg  
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 1801 tcacactctg ggtttattac atggcagtgt tcctattgg ggttgcatg ccaaattga  
 1861 gttctgtct gattggctca ccaagcaag gccaaaatta ccaaaaatct tggggggtt  
 1921 ttactccagt ggtgaagaaa actccttag caggtgtgctc tgagacctga caagcactgc  
 1981 taggcgagt ccaggactcc ccaggccagg ccaccaggat ggccctccc actggaggtc  
 2041 acattcagga agatgaagaa ggaggtttgg ggtctgcac catcctgctg ctgtgtttt

Figure 17

2101 gctatcacac agtgggtggt ggatctgtcc aaggaaactt gaatcaaagc agttaacttt  
 2161 aagactgagc acctgcttca tgctcagccc tgactgggtgc tataaggctgg agaagctcac  
 2221 ccaataaaca ttaagattga ggcttgccct cagggatctt gcattcccag tggtaaacc  
 2281 gcactcacc atgtgccaag gtgggtgatt taccacagca gctgaacagc caaatgcatg  
 2341 gtgcagttga cagcaggtgg gaaatggtat gagctgaggg gggccgtgcc caggggccca  
 2401 cagggaacc tgcttgact ttgtaacatg ttacttttc agggcatctt agcttctatt  
 2461 atagccacat cctttgaaa caagataact gagaatttaa aaataagaaa atacataaga  
 2521 ccataacagc caacaggtgg caggaccagg actatagccc aggtcctctg ataccagag  
 2581 cattacgtga gccaggtaat gagggactgg aaccagggag accgagcgct ttctggaaaa  
 2641 gaggagtttc gaggttagat tgaaggagg tgagggtatg gaattgcctg cagagagaag  
 2701 cctgttttgc tggaaaggtt ggtgtgtgga gatgcagagg taaaagtgtg agcagtgtg  
 2761 tacagcgaga ggcagagaaa gaagagacag gagggcaagg gccatgctga agggaccttg  
 2821 aagggtaaa aagtttgata ttaaaggagt taagatgagc aagttctaga gaagaggctg  
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 3241 cgggaggctg agacaggaga atcgctttaa cctgggaggc ggagagtaca gtgagccaag  
 3301 atcgcgccac tgactccgg cctgatgaca gagegagatt ccgtcttaa aaaaaaaaaa  
 3361 aaaagtgtg ttttaaaaa aatctaata aaataactt gccccctg

Homo sapiens cholecystokinin (CCK), mRNA.  
 ACCESSION XM\_003225

"GSAAGLLRLETPSQLRPNPKAMNSGVCLCVLMAVLAAGALTQPVPPADPAGSGLQRAE  
 EAPRRQLRVSQRTDGESRAHLGALLARYIQQARKAPSGRMSIVKNLQNLDPHSRISDRD  
 YMGWMDFGRRSAEEYEYPS"

1 ggctcagctg ccgggctgct ccggttgaa acgccaagcc agctgcgtcc taatccaaa  
 61 gccatgaaca gggcggtgtg cctgtgctg ctgatggcgg tactggcggc tggcgccctg  
 121 acgcagccgg tgctctccgc agatcccgcg ggctccgggc tgcagcgggc agaggaggcg  
 181 ccccgtaggc agctgagggt atgcagaga acggatggcg agtcccgagc gcacctgggc  
 241 gccctgctgg caagatacat ccagcaggcc cgaaagctc cttctggacg aatgtccatc  
 301 gttagaacc tgcagaacct ggacccagc cacaggataa gtgaccggga ctacatgggc  
 361 tggatggatt ttggccgtcg cagtgccgag gagtatgagt acccctccta gaggaccag  
 421 ccgccatcag cccaacggga agcaacctc caaccagag gaggcagaat aagaaaacaa  
 481 tcacactcat aatcattgt ctgtggagt tgacattgta tgtatctatt tattaagttc  
 541 tcaatgtgaa aaatgtgtc gtaagattgt ccagtgaac cacacacctc accagaattg  
 601 tgcaaatgga agacaaaatg tttttcat ctgtgactcc tggctgaaa atgtgttat  
 661 gctattaaag tgattcatt ctgcc

CCK Promoter (Rat)  
 ACCESSION S70690

1 aattcgcgcg ctaagccgca ttattcacgt ttccagacat gtcacaaata cagctaattc

Figure 18

61 ctacaacctg agctgtgtca tggggggggg gggaatcacc cacagcattt aatctgtctc  
 121 tgttttaaac acgttgcttc taagtaaaga gaccgctaga gccacaacca ggaacctaac  
 181 tgctgtggc atcactggc tttcatagt ctccctcagc cggaaccccc ccacgtggg  
 241 tgccttctct atttagaaag agtttctaag ctttctct tcacctaga ctggcaaggt  
 301 tgagggtagg ctgagggttg caagactgtg agaaaaggga gccctctct tcttctgt  
 361 cggtagtat ctacccaag atctcacca ccagtgga tcccgtact ctaggagaaa  
 421 ggaagaactc tagaggacgg gaagatcatt gcaagctccc ctatgtgtg gagcccagcc  
 481 cgctccactc agccagccag agcttgaggg tgcttgagac actctctggc gccacttcgc  
 541 gaccaaatac atcggtagat gtaggctggt gagaagtcac ctgggaaga aatggaacc  
 601 tttcccaa aggcttccg caaaaaggc aagagctgca ccaggtatc taaaattctg  
 661 taagacgaga atccagagg ccaactgtga ttgagttctg aaaaattgag agccctactc  
 721 cctctctca ctgtgggag cccactcagg tctgaagtc tccagagaa catgccagaa  
 781 ttacattgc tgacacctag tctgtaggg tccccgggt tctggaagg attgatccc  
 841 taaagctca ctaaacagt gtcagcttct ccattcaga caactctct cttctccc  
 901 ggagtagggg tggcacctc cctgaaggg actcagcaga ggcaccgaac agggtaggga  
 961 ggaaagctgt ttagataaag aggaggactc atacaaagta cccgcctgg gaggggctat  
 1021 cctcattcac tgggccgtt ccttctccc ggggggccac ttcgatcgtt ggtctctcca  
 1081 gtggctgcct ctgagcacgt gtcctgccgg actgcgtcag cactgggtaa acagatgact  
 1141 ggctgcgtac cggcgggggc tatttaagag gagtcgcct gccgcctgcc ctcaacttag  
 1201 ctggacagca gccgttgaa accgcaagc cagctgactc cgcacccgaa ggtaagtggc  
 1261 tggcagatcc aagaatcatg agtgaaga actggcctgt agcttgcac ctattgccgt  
 1321 ttagctttc catttctgt gcctccctc actgacagc tg

Human messenger RNA for growth hormone (presomatotropin).  
 ACCESSION V00519

"MATGSRTSLLLAFLGLCLPWLQEGSAFPTIPLSRPFDNAMLRAHRLHQLAFDITYQEFEE  
 AYIPKEQKYSFLQNPQTSLCFSESIPSPNREETQQKSNLELLRISLLLIQSWLEPVQFLRSV  
 FANSLVYGASDSNVYDLLKDLLEGIQTLMGRLDGSPTGQIFKQTYSKFDNNSHND  
 DALLKNYGLLYCFRKMDKVETFLRIVQCRSVEGSCGF"

1 cgaaccactc aggtctctgt ggacagctca cctagctgca atggctacag gctccgggac  
 61 gtccctgctc ctggcttttg gcctgctctg cctgccctgg cttaagagg gcagtgcctt  
 121 cccaaccatt ccttatcca ggccttttga caacgctatg ctccgcgcc atcgtctgca  
 181 ccagctggcc ttgacacct accaggagt tgaagaagcc tatatccaa aggaacagaa  
 241 gtattcattc ctgcagaacc ccagacctc cctctgttct cagagtcta ttccgacacc  
 301 ctccaacagg gaggaacac aacagaaac caacatagag ctgctccgca tctccctgct  
 361 gctcatccag tcgtggctgg agccgtgca gttcctcagg agtgctctc ccaacagcct  
 421 ggtgtacggc gcctctgaca gcaacgtcta tgacctcta aaggacctag aggaaggcat  
 481 ccaaacgctg atggggaggc tgaagatgg cagccccgg actgggcaga tcttaagca  
 541 gacctacagc aagttcgaca caactcaca caacgatgac gcactactca agaactacgg  
 601 gctgctctac tgcttcagga aggacatgga caaggtcgag acattctctc gcacgtgca  
 661 gtgccgctct tgggagggca gctgtggctt ctactgccc ggttgccatc cctgtgacc  
 721 ctccccagt cctctctg ccttgaagt tgccactcca gtgccacca gcctgtctc  
 781 aataaaatta agttgcatc

//

Figure 19

(-1894)

5' \_GAGTGGCGACAGGCTGCTGCTAGCAGGCTCTACACTGAGCTAACCCACCCATAT  
 ATATACATAGTTACTATTAGCTTTATTTATATTTTTAAGATTATCATTATATATATAG  
 TACACTGTAGTGTCTAGATACACAGAAGAGGCATCGGTCTCTTACAGAGAGCCACC  
 ATGTGGTTGCTGGGGATTGAACTCATACCTCTGGCAGAGCAGTCGGTGCTCTTAACG  
 CTGAGCCATCTCTCCAGCGCCCCCAAAGCCCAGCTTTTAAAAATATTTTAAAATTTCT  
 TTCTACAGATTGTTTTATGTATATGAGTGTTTTGTGTGTATGCGTTGATGTGTGTACT  
 GTGTGCATGGCACATGCCAGTGGGCCACAGACAGAGGGGACATGAGATTCCCCTGAA  
 ACTTGGAGTTACAGATGGCTGTGGGCTGCCATGTGAGTGAGCGCCTTTGGAACCAAA  
 CCTGGGTCCTGCACAAAAGCAACAAGCACTCTTAATCGTTGAGCCACCTCTCCAACC  
 CCTTGATATTTCTTTTCGTTGGTGCATTAATAATTGATAAACAGAGGGTTTTCTTTATT  
 TAAAGATTTATTTATTTTATGTGAGTACACTGTTGCTCTCTTCAGACACATAGAAGAG  
 GGCATTGCTGGATTCTGCTACAGATGGTTGTGAGCCACCATGTGGTTGCTGGGAGTT  
 AAACCTCAGGACCTCTGGAAGAGCAGTCAGTGCTCTTAACCACTGAGCCATCTCTCCA  
 GTCCCTTCCTCAACCTTCTGAGAACAGGCAAACCTCCACCATGATTGGCTTATAAATC  
 GTTATATGGACCTACTAAGGATGTAACAACCTGGGAGCATGCTTACCTAGCATGTCCG  
 AAACCCGGAGTTCAGTCCCTAGCACTGCACAATCTCAGTCCTTATGAAGTAGAGGGA  
 AGATCAGAGGTTCAAGGACAACATCAATTTGAGACCAGCCTGGGCTACTTACCAAA  
 GAAAGAAAGAGAGAAATAAATAAATAGATAGATAAATAAATAAATAAGTAAATAA  
 ATATCTTATGGCTGGAGAGTTGGTTCAGTGTTTAAGAGCACTTATTGTGGGGTTGGG  
 GATTTATCTCAGTGGTAGAGCGTTTGCCTAGGAAGCTCAAGGCCCTGGGTTCCGTCC  
 CCAGCTCCGGAAACAAAACAAAACAAAACAAAACAAAACAAAACAAAACAAAAC  
 CTGTCTGGAAAACACCTAAATAAAGATATATATATATAATATATATACATATAATAT  
 ATATATGATATATATATATATATATATCTTTGTGGAGGAAGCTATACCTTTCTTTCTT  
 GAGCCTCCAACACATAAATGTGCCCTGTCATCCCATTTCATATTGCCCAAGTGGGAA  
 ACCATGTGACTATAAACTCTAAGTTCCTAGTCACTAGGAACCTCTCAAGACACCTACC  
 TCAGGCAGCATCACTTCCGGAGTGCCACCATTATCAGTTAACATCCACATCTGGGAT  
 TCAGATCCCAGATCCCTTCTGTTCCCTCAGAAGTCACCTACAGCTTTGTGGGGGTGC  
 CCCTTCCCTCAGAGAGTGCCACCCGAGTTGACCCTCACCAAGGCAACCCTTTGTACC  
 CACAGAATCCAACAGGAAGTAGGGGGAAGAACAGCCGGCCCTGTGCCAGAAAAAA  
 AGAGGGGAGGGAGAAGGGGGTGCTCAGCCTACCACCGGGCAGGTCCCAGATAACA  
 CTGCAGATACCCAAATGTTAATCACCCATTAGCACAGGCCAGAGCAAAGGGGAAA  
 GTGATTAGGTGTATAATGGGGTTCCTGGGCAGGAGCAGTGGGCTTGAGCTTCAA  
 GATAAGAGGTTTTTCAGGTTAATCAGCACCCCTGTGGTGTGTGGATATAAGGAAGCTAA  
 CACAGGGTCTTGAAGCAAGATC\_3' (-1)